



Attorney Docket No.: NSC-P05052

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## Patent Application

I hereby certify that this transmittal of the below described documents is being deposited with the United States Postal Service in an envelope bearing Express Mail Postage and an Express Mail label, with the below serial number, addressed to the Commissioner of Patents and Trademarks, Washington, D.C., 20231, on the below date of deposit.							
Express Mail Label No.:	EL860203095US	Name of Person Making the Deposit:	Anthony Chou				
Date of Deposit:	10/02/01	Signature of the Person Making the Deposit:	anthony Chan				

Inventor(s):

Sean S. Chen

Title:

LOW VOLTAGE, LOW Z, BAND-GAP REFERENCE

The Commissioner of Patents and Trademarks Washington, D.C. 20231

Sir:

<u>Transmittal of a Patent Application</u> (Under 37 CFR §1.53)

Tran	smitted herewith is the above identified patent application, including:
X	Specification, claims and abstract, totaling pages.
	Formal drawings, totaling pages.
Х	Informal drawings, totaling3 pages.
X	Declaration and Power of Attorney.
**********	Information Disclosure statement.
	Form 1449
x /	Assignment(s)
***	Assignment(s) Assignment Recordation Form (duplicate)
	Preliminary Amendment
X	Request and Certification under 35 U.S.C. 122(b)(2)(B)(i)
	Other:
******	***************************************

### FEES DUE

The fees due for filing the specification pursuant to 37 C.F.R. § 1.16 and for recording of the Assignment, if any, are determined as follows:

CLAIMS								
	NO. OF CLAIMS		EXTRA CLAIMS	RATE	FEES			
Basic Application	\$740.00							
Total Claims	\$54.00							
Independent Claims	\$0.00							
If multiple depe	\$0.00							
Add Assignment Recording Fee of \$40.00 If Assignment document is enclosed								
TOTAL APPL	\$834.00							

#### **PAYMENT OF FEES**

The full fee due in connection with this communication is provided as follows	The	full fee	due in	connection	with this	communication	ıis	provided	as	follows
---	-----	----------	--------	------------	-----------	---------------	-----	----------	----	---------

- 1. Not enclosed
  - [ ] No filing fee is to be paid at this time.
- 2. Enclosed
  - [X] Filing fee
  - [X] Recording assignment
  - Petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached
  - [ ] For processing an application with specification in a non-English language
  - [ ] Processing and retention fee
  - [ ] Fee for international-type search report
  - [ X ] The Commissioner is hereby authorized to charge any additional fees associated with this communication or credit any overpayment to Deposit Account No.: 23-0085. A duplicate copy of this authorization is enclosed.
  - [X] A check in the amount of \$834,00
  - [ ] Charge any fees required or credit any overpayments associated with this filing to Deposit Account No.: 23-0085.

This application is filed pursuant to 37 C.F.R. § 1.53 in the name of the above-identified Inventor(s).

Please direct all correspondence concerning the above-identified application to the following address:

# WAGNER, MURABITO & HAO LLP

Two North Market Street, Third Floor San Jose, California 95113 (408) 938-9060

[X] This transmittal ends with this page.

Respectfully submitted,

Date: 10/2/01

Jámes P. Hao Reg. No. 36,398

=#2

Attorney Docket No.: NSC-P05052

Inventor(s):

Sean S. Chen

Title:

LOW VOLTAGE, LOW Z, BAND-GAP REFERENCE

12-06-0/

# REQUEST AND CERTIFICATION UNDER 35 U.S.C. 122(b)(2)(B)(i)

I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

Data.

Bv:

James P. Hao

Reg. No. 36,398

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant must notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).

PTO/SB/05 (11-00) 2. OMB 0651-0032

Please type a plus sign (+) inside this box → [+]			irk Office; U.S. DEP	ARTMENT OF			
Under the Paperwork Reduction of Act of 1995, no persons are			2433-001		ontrol number.		
UTILITY		ney Docket No.		Yu-Ping CHU et al			
PATENT APPLICATIO	N First	t inventor			OCESS OF		
TRANSMITTAL	Title	OXIDE LAYERS FOR VERTICAL					
Only for new nonprovisional applications under 37 (		TRANSISTORS					
		ess Mail Label l		ner for Patents			
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent appli		ADDRESS TO		Application			
1. E Fee Transmittal Form (e.g., PTO/SB/17)			OM or CD-R in du		able or		
(Submit an original and a duplicate for fee processing)  2. Applicant claims small entity status.  See 37 CFR 1.27.  3. Specification [Total Pages 10]		8. Nucleotide (if applical	iter Program (App and/or Amino Ac ole, all necessary) nouter Readable F	rid Sequence Su	ubmission		
(preferred arrangement set forth below)  - Descriptive title of the invention  - Cross Reference to Related Applications  - Statement Regarding Fed sponsored R &  - Reference to sequence listing, a table,	D ·	<ul> <li>a.  Computer Readable Form (CRF)</li> <li>b. Specification Sequence Listing on: <ol> <li>CD-ROM or CD-R (2 copies; or</li> <li>paper</li> </ol> </li> <li>c.  Statements verifying identity of above copies</li> </ul>					
or a computer program listing appendix - Background of the Invention		ACCO	MPANYING A	PPLICATION	PARTS		
<ul> <li>Background of the Invention</li> <li>Brief Description of the Drawings (if filed)</li> <li>Detailed Description</li> <li>Claim(s)</li> <li>Abstract of the Disclosure</li> </ul>	v	10.	nment Papers (co FR 3.73(b) Statem In there is an assign sh Translation Do	nent	Power of Attomey licable)		
4. End Drawing(s) (35 U.S.C. 113) Figs. 1a-4 Total S			mation Disclosure ment (IDS)/PTO-1		Copies of IDS Citations		
<ul> <li>5. Oath or Declaration [Total Shee</li> <li>a. ☑ Newly executed (original or copy)</li> <li>b. ☐ Copy from a prior application (37 CFR 1. (for continuation/divisional with Box 18 ci. ☐ DELETION OF INVENTOR(S)</li> </ul>	63(d)) completed)	14. ■ Retur (Shown) 15. □ Certi	minary Amendmen Receipt Postcar ald be specifically fied Copy of Prior reign priority is cl	d (MPEP 503) itemized) rity Document(s	s)		
Signed statement attached deleting in named in the prior application, see 37 1.63(d)(2) and 1.33(b)  6. Application Data Sheet. See 37 CFR 1.76		(b)(2)	est and Certificati )(B)(I). Applicant equivalent. r:				
18. If a CONTINUING APPLICATION, check approor in an Application Data Sheet under 37 CFR 1.76:  Continuation Divisional Conti	copriate box, and supply to nuation-in-part (CIP)		ormation below an				
Prior application information: Examiner_			Art Unit:				
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.							
19	. CORRESPONDENCI						
Customer Number or Bar Code Label (Insert Cust	22204 tomer No. or Attach bar code		or 🗷 Corre	espondence addre	ess below		

Address	8180 Greensboro Drive, Suite 800							
City	McLean		State	VA	Zip (	Code	22102	
Country	United States	Tele	phone	(703) 790-9110		Fax	(703) 883-0370	
Name (Print/Type)	Donald R. Studebaker		Registrat	ion No. (Attorney/Agent)			#32,815	
Signature	112				Date		1-1	

Burden Hour Statement: this form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Name

Donald R. Studebaker NIXON PEABODY LLP

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Date

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Complete if Known Not Yet Assignment Application Number FEE TRANSMITTAL September 5, 2001 Filing Date **FOR FY 2001** Shun-Yuan HSIAO et al First Named Inventor Not Yet Assigned Examiner Name Not Yet Assigned Patent fees are subject to annual revision. Group Art Unit 2433-0015 TOTAL AMOUNT OF PAYMENT (\$) 750.00 Attorney Docket No. METHOD OF PAYMENT FEE CALCULATION (continued) 3. ADDITIONAL FEES 1. 🗷 The Commissioner is hereby authorized to charge indicated Large Entity Small Entity fees and credit any overpayments to: Deposit 19-2380 (2433-0015) Fee Fee Fee Account Code (\$) Code (\$) Fee Description Fee Paid Number 105 130 205 Surcharge - late filing fee or oath 65 Deposit NIXON PEABODY LLP 127 50 227 25 Surcharge - late provisional filing fee or cover Account 8180 Greensboro Drive Suite 800 Name Mclean, Va. 22102 139 130 139 130 Non-English transaction X 147 2,520 147 2,520 For filing a request for ex parte reexamination Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 112 920\* 112 920\* Requesting publication of SIR prior to Examiner Applicant claims small entity status. 113 1.840\* 1131.840\* Requesting publication of SIR after Examiner See 37 CFR 1.27 action 115 110 215 55 Extension for reply within first month 2. 🗵 Payment Enclosed: 116 390 195 Extension for reply within second month 216 Check Credit Card Other Money 117 890 217 445 Extension for reply within third month FEE CALCULATION 118 1.390 218 Extension for reply within fourth month 695 1. BASIC FILING FEE 128 1,890 228 945 Extension for reply within fifth month Small Entity 219 Notice of Appeal Large Entity 119 310 155 Fee Description Fee Fee Fee Fee 120 310 220 155 Filing a brief in support of an appeal Fee Paid Code (\$) Code (\$) \$710.00 121 270 221 135 Request for oral hearing 355 Utility filing fee 101 710 201 138 1,510 138 1,510 Petition to institute a public use proceeding 106 320 206 160 Design filing fee 140 110 240 55 Petition to revive - unavoidable 107 490 207 245 Plant filing fee Petition to revive - unintentional 141 1,240 241 620 108 710 208 355 Reissue filing fee 1.240 620 Utility issue fee (or reissue) 142 242 114 75 Provisional filing fee 150 214 Design issue fee 440 243 220 143 300 Plant issue fee 144 600 244 SUBTOTAL (1) (\$) 710.00 EXTRA CLAIM FEES 2. 122 130 122 130 Petitions to the Commissioner 123 50 123 Petitions related to provisional applications Extra Claims below Fee Paid Total Claims 22 -20\*\* = X 18.00 36.00 126 240 126 240 Submission of information Disclosure Stmt 581 40 581 40.00 Independent 40 Recording each patent assignment per property Claims (times number of properties) 710 Multiple Dependent 146 246 355 Filing a submission after final rejection (37 CFR § 1.129(a)) Large Entity Small Entity 149 710 249 355 For each additional invention to be examined (37 Fee Fee Description (\$) Code 179 710 249 Request for Continued Examination (RCE) Code 355 169 900 169 900 Request for expedited examination of a design 103 18 203 9 Claims in excess of 20 application Other fee (specify) 102 80 202 40 Independent claims in excess of 3. 104 270 135 Multiple dependent claim, if not paid 204 109 80 209 40 \*\* Reissue independent claims over \* Reduced by Basic Filing Fee Paid SUBTOTAL (3) (S) 40.00 original patent 18 \*\* Reissue claims in excess of 20 and 110 210 over original patent SUBTOTAL (2) (\$) 36.00 \*\*or number previously paid, if greater; For Reissues, see above SUBMITTED BY Complete (if applicable) Registration No. 32,815 (703) 790-9110 Name (Print/Type) Telephone Donald R. Studebaker (Attorney/Agent) 10/9/01

> WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Signature